

The eosAC-T/O automated flux chamber is field-ready, compact, and ideal for long-term deployment in a wide variety of applications. The chamber's design incorporates scientific best practices and features swappable components that allow for hassle-free repairs in the field. Seamless integration with leading gas analyzers and included flux analysis software enable simple and accurate measurements of trace gas flux.

- Field-Ready, Durable Design
- Opaque (-O) or Transparent (-T) Options
- Field-Serviceable Components
- Compact Chamber Footprint
- Seamless Integration with Leading Gas Analyzers
- Flux Analysis Software



Hardware

Enclosure	Aluminum/Acrylic/ABS
Gas Lines	Bev-A-Line® (PTFE optional)
Auxiliary Sensor Ports	1

Dimensions

Chamber Volume (V)	4756 cm ³
Exposed Soil Area (SA)	320 cm ²
Reach (chamber to analyzer)	30 m
Overall Size (max. L x W x H)	Closed 38 x 24 x 24 cm Open 38 x 24 x 47 cm
Weight	5 kg

Operating Environment

Temperature	0 to 50 C
Humidity	0-100% RH non-condensing

Environmental Sensors

Air/Chamber Temperature	0 to 50 C
Barometric Pressure	30 to 110 kPa

Auxiliary Sensors (Optional)

Soil Temperature	-40 to 60 C
Soil Moisture (VWC)	0.0 to 1.0 m ³ /m ³
PAR	0 to 4000 μmol m ⁻² s ⁻¹

Power

Operating Voltage	12-15 V DC
Operating Power (in motion)	< 7.2 W (0.6 A)
Operating Power (closed/open)	< 1 W (0.1 A)

Other Features (Optional)

Exterior	Transparent or Opaque
Collar Height	10 cm 20 cm

Chamber Handle For Survey Measurements

Note: All specifications subject to change without notice